



UBF - Del

Underground Storage Tank Cathodic Protection Checklist

The attached Underground Storage Tank (UST) checklist is required for the activity above. This checklist certifies the Cathodic Protection activities are performed and conducted in accordance with Chapter 173.360 WAC.

See back of form for instructions.

1. UST SYSTEM LOCATION AND OWNER

UBI Number: 178-005-030-0004 Site ID Number: 008 338
(UBI # from Master Business License) (Available from Ecology if tank is Registered)

Site/Business Name: The Boeing Company

Site Address: 7500 East Marginal Way South King Co
Seattle WA 98108 County 3516
City State Zip+4 (required)

Telephone: 425-237-2337

UST Owner/Operator: The Boeing Company

Mailing Address: P.O. Box 3707, MC 67-74
Seattle WA 98124 P.O. Box 2207
City State Zip+4 (required)

Telephone: 425-965-2303

2. FIRM PERFORMING WORK

Service Company: Norton Corrosion Limited O 18295

Service Co. Address: 8820 222nd Street SE
Woodinville, WA 98077 Snohomish
City State Zip+4 (required)

Certified Supervisor: Matt Slosson

Address: Same as above
Street P.O. Box
City State Zip+4 (required)

ICC Certification Number: 5080176-U4 Certification Issue Date (Month/Year): Exp 9/07

Telephone: 425-483-1616

Ecology is an equal opportunity employer.

For special accommodation needs, please contact the Underground Storage Tanks Section at (360) 407-7170.
1-(800) 833-6388 or 711 (TTY)

Underground Storage Tank

Cathodic Protection Checklist

Site ID #	008 338
Site Address	7500 East Marginal Way South
City	Seattle

The information provided in this section should reflect the UST system after the completion of cathodic protection installation or retrofit. Provide the following information for each tank that is cathodically protected with impressed current or sacrificial anodes. For more than four UST systems, you may photocopy this form prior to completing.

I. UST SYSTEM INFORMATION

	Tank 1	Tank 2	Tank 3	Tank 4
1. Tank ID # (tank name registered with Ecology)	UBF061			
2. Year tank installed				
3. Tank capacity in gallons				
4. Tank material	Steel			
5. Tank coating				
6. Piping construction material	FGLP			
7. Piping coatings				
8. Year cathodic protection installed				

II. CATHODIC PROTECTION INFORMATION

UBF-061

	Tank 1	Tank 2	Tank 3	Tank 4
1. Type of Cathodic Protection (check box)				
Sacrificial Anode (Galvanic)	X			
Impressed Current				
Check Box(es)				
2. Type of cathodic protection activity performed				
• Installation of new cathodic protection system				
• Retrofitting of existing cathodic protection system				
• Repair of existing cathodic protection system				
• Testing	X			
Other (describe in space below)				
3. Completion date of activity checked above	11-22-05			

Site ID # _____
Site Address _____
City _____

Cathodic Protection Checklist (continued)

The following items shall be *initialed* by the Certified Supervisor whose signature appears below.

All of the following items shall be initialed when cathodic protection systems are installed or retrofitted.

When cathodic protection testing is done solely to evaluate the performance of existing cathodic protection systems on existing UST installations only items 10-12, 15, 16 are required to be initialed.

III. CATHODIC PROTECTION INSTALLATION/RETROFITTING

- | | Yes | No | NA* |
|--|--------------------------|--------------------------|--------------------------|
| 1. If field-installed, has the cathodic protection system been designed by a person who is: 1) accredited or certified as being qualified by the National Association of Corrosion Engineers or 2) is a registered professional engineer who has certification or licensing that includes education and experience in corrosion control of buried or submerged metal piping systems and metal tanks? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Are the size, type, location and installation of tank and piping anodes in the completed installation/retrofit as specified in the design plans and specifications? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Have all existing anodes, anode connections and test leads been inspected and any required repairs or replacements been made? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. For impressed current systems, does the installed rectifier meet design specifications? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. For impressed current systems, has the rectifier been installed per code and manufacturer's requirements? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Are the electrical connections between system components per code and design specifications? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Have provisions been made for testing cathodic protection systems or tanks(s) and piping as specified in WAC 173-360-305? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Has the cathodic protection system installation/retrofit been tested after being energized according to applicable criteria in the National Association of Corrosion Engineers Standard RP-02-85? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Has the owner/operator been provided with written documentation of the cathodic protection system installation/retrofit? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Cathodic Protection Testing

- | | | | |
|---|-------------------------------------|--------------------------|--------------------------|
| 10. Have all cathodic protection systems on tank(s) and piping been tested and inspected and determined to be properly operating according to applicable criteria in National Association of Corrosion Engineers Standard RP-02-85? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Has Site Plan (Section V.) with CP test points, been completed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 12. Attach all voltage reading field data with test point locations for each tank and/or piping. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 13. List millivolt reading for each tank. Tank #1 <u>-1066</u> Tank #2 _____ Tank #3 _____ Tank #4 _____ | | | |
| 14. List millivolt reading for piping. Piping #1 _____ Piping #2 _____ Piping #3 _____ Piping #4 _____ | | | |
| 15. Has the owner/operator been provided with written documentation of the results of the cathodic protection system inspection and testing? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 16. Has owner representative signed the checklist? (Copy mailed to Ecology) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

IV. REQUIRED SIGNATURES

I hereby attest, that I have been the Certified Supervisor responsible for the above listed cathodic protection activities, and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures, pertaining to underground storage tanks.

Persons submitting false information are subject to formal enforcement and/or penalties under Chapter 173.360 WAC.

Date <u>12-8-05</u>	Signature of Certified Supervisor <u>[Signature]</u>	Print or Type Name <u>Matt Skoson</u>
Date <u>12/19/05</u>	Signature of Tank Owner or Authorized Representative <u>[Signature]</u>	Print or Type Name <u>Stephen T. Karich</u>

* Item not applicable

ECY 070-70 (06/03) White Copy (Ecology), Yellow Copy (Owner/Operator), Pink Copy (Service Provider)